



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	June 4, 2021	EPA Reg No./File Symbol	42750-372	Page 1 of 9
Applicant's/Registrant's Name & Address	Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021	Product	Lambda-Cyhalothrin Technical	
Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
				Note

830.1550	Product Identity and Composition	50850203 51595901	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the Product	50850203 51595901	Albaugh	OWN	
830.1620	Description of Production Process	50850203 51595901	Albaugh	OWN	
830.1650	Description of Formulation Process				Not req'd ²
830.1670	Description of Formation of Impurities	50850203 51595901	Albaugh	OWN	
830.1700	Preliminary Analysis	50850204 51595902	Albaugh	OWN	
830.1750	Certified Limits	50850203 51595901	Albaugh	OWN	
830.1800	Enforcement Analytical Method	50850204 51595902	Albaugh	OWN	
830.6302	Color	50850202	Albaugh	OWN	
830.6303	Physical State	50850202	Albaugh	OWN	
830.6304	Odor	50850202	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	50850202 51183602	Albaugh	OWN	Waiver ²
830.6314	Oxidation/Reduction: Chemical Incompatibility	51183601	Albaugh	OWN	
830.6315	Flammability				Not req'd ¹

Signature		Name and Title	S. K. Theodorakis Agent for Albaugh, LLC	Date	6-4-2021
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Applicant's/Registrant's Name & Address	Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021	Product	Lambda-Cyhalothrin Technical	
Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
				Note

830.6316	Explodability				Not req'd ¹
830.6317	Storage Stability	51183602	Albaugh	OWN	
830.6319	Miscibility				Not req'd ¹
830.6320	Corrosion Characteristics	51183602	Albaugh	OWN	
830.6321	Dielectric Breakdown Voltage				Not req'd ¹
830.7000	pH	50850202	Albaugh	OWN	
830.7050	UV/Visible Absorption			LIT	
830.7100	Viscosity				Not req'd ¹
830.7200	Melting Point/Melting Range	50850202	Albaugh	OWN	
830.7220	Boiling Point/Boiling Range				Waiver ³
830.7300	Density/Relative Density/Bulk Density	50850202	Albaugh	OWN	
830.7370	Dissociation Constants in Water			LIT	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Waiver ⁴
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Waiver ⁴
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography			LIT	

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Applicant's/Registrant's Name & Address	Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021	Product	Lambda-Cyhalothrin Technical		
Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.7840	Water Solubility: Column Elution Method; Shake Flask Method			LIT	
830.7860	Water Solubility, Generator Column Method				Waiver ⁵
830.7950	Vapor Pressure			LIT	
870.1100	Acute Oral Toxicity – Rat	CITE ALL		PAY	
870.1200	Acute Dermal Toxicity - Rat	CITE ALL		PAY	
870.1300	Acute Inhalation Toxicity - Rat	CITE ALL		PAY	
870.2400	Primary Eye Irritation - Rabbit	CITE ALL		PAY	
870.2500	Primary Dermal Irritation	CITE ALL		PAY	
870.2600	Dermal Sensitization	CITE ALL		PAY	
810.3100	Soil Treatments for Imported Fire Ants	CITE ALL		PAY	
810.3200	Livestock, Poultry, Fur- and Wool-Bearing Animal Treatment	CITE ALL		PAY	
810.3300	Treatments to Control Pests of Humans and Pets	CITE ALL		PAY	
810.3400	Mosquito, Black Fly, and biting Midge (Sand Fly) Treatments	CITE ALL		PAY	

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Applicant's/Registrant's Name & Address	Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021	Product	Lambda-Cyhalothrin Technical		
Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

810.3500	Premises Treatments	CITE ALL		PAY	
810.3600	Structural Treatments	CITE ALL		PAY	
810.3700	Insect Repellents to be Applied to Human Skin	CITE ALL		PAY	
810.3800	Methods for Efficacy Testing of Termite Baits	CITE ALL		PAY	
810.3900	Laboratory Product Performance Testing Methods for Bed Bug Pesticide Products	CITE ALL		PAY	

Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for lambda cyhalothrin:

Lambda cyhalothrin Generic Data	Cite-All		Bonide Products, LLC (4)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Syngenta Crop Protection, LLC (100)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Nufarm Americas, Inc. (228)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		The Scotts Company (239)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Bayer Cropscience LP (264)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		FMC Corp. (279)	PAY	

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Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
				Note

Lambda cyhalothrin Generic Data	Cite-All		Bayer Environmental (432)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		MacDermid Agricultural Solutions, Inc. (400)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		BASF Corp. (499)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Intervet Inc. d/b/a Merck Animal Health (773)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		McLaughlin Gormley King Co. (1021)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Pacific Chemical Div Pace National Corp. (4389)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		S.C. Johnson & Son, Inc. (4822)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Helena Agri-Enterprises, LLC (5905)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Lonza, LLC (6836)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		J. R. Simplot Co. (8917)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Chemsico, A Div. of United Industries Corp. (9688)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Syngenta Crop Protection (10182)	PAY	

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Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
				Note

Lambda cyhalothrin Generic Data	Cite-All		Adama Makhteskim Ltd. (11678)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Drexel Chemical Co. (19713)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Nufarm Ltd (35935)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Control Solutions (53883)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Valent (59639)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Sipcam Agro (60063)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Corteva Agrisciences LLC (62719)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Management Contract Services, Inc. (63823)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Jesmond Holding AG (64321)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Pyrethroid Working Group (64977)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Makhteshim Agan of NA Inc. (Adama) (66222)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		SDTF (66607)	PAY	

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Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
				Note

Lambda cyhalothrin Generic Data	Cite-All		Certis USA LLC (70051)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		UPL NA, Inc.(70506)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		ISK Biosciences Corp. (71512)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		LG Chem Ltd. (71532)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		ORETF (71754)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		ARTF (71755)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		NDETF (73989)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		FIFRA ESTF (73989)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Helm Agro US, Inc. (74530)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		REJV (74888)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		AHETF (75234)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Winfield Solutions LLC (83222)	PAY	

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Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status
				Note

Lambda cyhalothrin Generic Data	Cite-All		GAT Microencapsulation GMBH (84575)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		GESTF (84653)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Arcana, LLC (84930)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Kaizen Technologies, LLC (86363)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		TF Holdings I, LLC (86461)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Select Source, LLC (86869)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Agromarketing Co. Inc. (87845)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Willowood Lambda (88541)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Smartvet USA (88050)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Liberty Crop Protection, LLC (89168)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Central Garden & Pet Co. (89459)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Council Advancement Pyrethoid Human Risk (89813)	PAY	

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Ingredient Lambda - cyhalothrin (PC 128897; CAS # 91465-08-6)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Lambda cyhalothrin Generic Data	Cite-All		Extremis, LLC (91127)	PAY	
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Footnote 1: These data are not required for TGA products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2.

- 830.1650 Formulation Process
- 830.6315 Flammability
- 830.6316 Explodability
- 830.6319 Miscibility
- 830.6321 Dielectric Breakdown
- 830.7100 Viscosity

Footnote 2

- 830.6313 Stability to normal and elevated temperatures, metals, and metal ions. Albaugh requests a waiver for the stability to metals and metal ions. Lambda Cyhalothrin Technical is packaged in polyethylene drums or fiber drums. It is not expected to come in contact with either metals or metal ions.

Footnote 3

- 830.7220 Boiling Point. Albaugh requests a waiver for this data requirement. Lambda Cyhalothrin Technical is not a liquid.

Footnote 4: Albaugh requests a waiver for these data requirements. Albaugh elected to use Guideline 830.7570 to satisfy this data requirement.

- 830.7550 Partition Coefficient, Shake Flask Method
- 830.7560 Partition Coefficient, Generator Column Method

Footnote 5

- 830.7860 Water Solubility. Albaugh requests a waiver for this data requirement. Albaugh elected to use Guideline 830.7840 to satisfy this data requirement.

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